

Remarks

For clarity, claims 1-45 are currently canceled, and claims 75-109 are currently added. New claims 75-109 introduce no new matter. Support for new claims 75-109 may be found in the application as filed. Each of new claims 75-107 are supported by a corresponding claim (currently canceled) in the application as filed, according to the relationships shown in Table 1, below.

Table 1. Support for New Claims 75-107

New claim	Originally-filed claim		New claim	Originally-filed claim
75	2		92	23
76	3		93	24
77	4		94	25
78	5		95	26
79	7		96	27
80	8		97	29
81	9		98	30
82	10		99	31
83	12		100	32
84	14		101	38
85	15		102	40
86	16		103	41
87	17		104	42
88	18		105	43
89	19		106	44
90	20		107	45
91	21			

New claims 75 and 92 each recite wherein each R⁴ is independently an alkyl group having 4 to 18 carbon atoms, and wherein A is an aliphatic, aromatic, aralkyl, or alkaryl group having 6 to 20 carbon atoms. New claims 78 and 96 each recite wherein each R⁴ is independently a C8-C18 alkyl group. New claims 81 and 99 each recite wherein A is (CH₂)_n wherein n = 6-20. New claims 82 and 100 each recite wherein n = 10-20. Additional support for

these claims can be found at, for example, page 11, line 8; page 9, line 18 through page 10, line 6; and page 11, lines 13-17.

Claims 46, 50, and 62 are currently amended to recite wherein R^1 is aliphatic, aromatic, aralkyl, or alkaryl group that includes a polymerizable group. Support for these amendments can be found at, for example, page 9, line 18 through page 10, line 6. Claims 47, 51, and 63 are currently amended to recite wherein A is a bond or a straight chain or branched aliphatic group. Support for these amendments can be found at, for example, page 9, lines 24-26.

New claims 108 and 109 are currently added. Support for claim 108 and 109 can be found throughout the application, for example at page 3, lines 6-13; page 9, line 18 through page 10, line 6; and originally-filed claim 1.

In response to Requirement for Restriction (response dated February 20, 2007), Applicants elected originally-filed claims 1-45 (Group I), said to be drawn to an etching composition and adhesive classified in Class 252, subclass 79.1. Because of the relationship of new claims 75-107 to the originally-filed claims, and because of the subject matter to which new claims 108-109 are directed, Applicants believe that new claims 75-109 read on elected Group I. In a subsequent action, the Examiner indicated that originally-filed claims 5, 7, 27, 29, and 46-74 are withdrawn from consideration as being drawn to a nonelected invention and species. Applicants believe that new claims 75-77, 80-82, 83-91, 92-95, and 98-107 correspond to originally-filed claims that were not withdrawn from consideration.

Originally-filed claims 1-4, 6, 8-12, 14-26, 28, 30-38 and 40-45 were rejected under 35 U.S.C. § 102(b) as being anticipated by Haberland et al. (DD 273846).

New independent claims 75, 92, 108, and 109 are novel in view of Haberland et al. The reference does not teach each and every limitation recited in the claims. Haberland et al. does not teach, for example, a composition comprising a compound of Formula II wherein R^4 is an alkyl group having 4 to 18 carbon atoms, or can be joined to A forming a cyclic organic group, as recited in claims 75 and 92. Haberland et al. does not teach, for example, a composition comprising a compound of Formula I wherein R^1 includes a cyclic group and a polymerizable group, or is an aliphatic, aromatic, aralkyl, or alkaryl group substituted with an element other than carbon and hydrogen and including an ethylenically unsaturated polymerizable group, as recited in claim 108. Haberland et al. does not teach, for example, a composition comprising a compound of Formula I wherein R^2 is OR, SR, N(R)₂, or an organic group that can optionally

join with R¹ to form a carbon-carbon double bond with the carbon between the two phosphorus atoms, wherein the organic group optionally includes an ethylenically unsaturated polymerizable group, and wherein each R is independently an organic group optionally including an ethylenically unsaturated polymerizable group, as recited in claim 109. Thus, independent claims 75, 92, 108, and 109 are novel in view of Haberland et al.

Originally-filed claims 1-4, 6, 8-12, 14-26, 28, 30-38 and 40-45 were rejected 35 U.S.C. § 103(a) as being obvious in view of Omura et al. (US 4,499,251).

New independent claims 75, 92, 108, and 109 are not obvious in view of Omura et al. Omura et al. teach that the hydrocarbon group A represents the organic residue Ra of Formula I, column 4, and that "Ra represents an organic residue of 6-60 carbon atoms." Column 5, lines 40-42; column 4, lines 43-44. The group Ra is additionally defined as "a hydrocarbon group of 6-60 carbon atoms optionally substituted by halogen, hydroxyl, amino or carboxyl." Column 6, lines 45-48. Applicants submit that the number of species (i.e., structural isomers) of "a hydrocarbon group of 6-60 carbon atoms" is very large, and that the genus encompassed by Formula II of Omura et al. (which includes additional variables) is a potentially infinite genus. There is nothing to suggest how to select particular species not specifically recited by Omura et al. For at least this reason, independent claims 75, 92, 108, and 109 are patentable in view of Omura et al.

New claims 76-91 and 93-107 each depend from a patentable independent claim and are each therefore patentable.

With this response, an earnest effort has been made to respond to all issues raised in the Notice of Non-Compliant Amendment. In view of the above, it is submitted that the application is in condition for allowance and reconsideration of the application is requested.

Respectfully submitted,

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